



OIPE

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/851,586A

DATE: 07/10/2002
TIME: 14:49:38

Input Set : A:\PTO.VSK.txt
Output Set: N:\CRF3\07102002\I851586A.raw

3 <110> APPLICANT: MILLHAUSER, GLENN
4 THOMPSON, DARREN
5 BOLIN, KIMBERLEY
6 ANDERSON, JOE
7 McNulty, JOSEPH
9 <120> TITLE OF INVENTION: METHODS AND COMPOUNDS FOR MODULATING MELANOCORTIN RECEPTOR
LIGAND BINDING
10 AND ACTIVITY
12 <130> FILE REFERENCE: 407t-980910US
C--> 14 <140> CURRENT APPLICATION NUMBER: US/09/851,586A
C--> 14 <141> CURRENT FILING DATE: 2002-06-25
14 <150> PRIOR APPLICATION NUMBER: PCT/US99/25201
15 <151> PRIOR FILING DATE: 1999-10-27
17 <150> PRIOR APPLICATION NUMBER: 60/203,271
18 <151> PRIOR FILING DATE: 2000-05-09
20 <150> PRIOR APPLICATION NUMBER: 60/226,047
21 <151> PRIOR FILING DATE: 2000-08-16
23 <160> NUMBER OF SEQ ID NOS: 54
25 <170> SOFTWARE: Patentin version 3.0
27 <210> SEQ ID NO: 1
28 <211> LENGTH: 132
29 <212> TYPE: PRT
30 <213> ORGANISM: Homo sapiens
32 <400> SEQUENCE: 1
34 Met Leu Thr Ala Ala Val Leu Ser Cys Ala Leu Leu Leu Ala Leu Pro
35 1 5 10 15
36 Ala Thr Arg Gly Ala Gln Met Gly Leu Ala Pro Met Glu Gly Ile Arg
37 20 25 30
38 Arg Pro Asp Gln Ala Leu Leu Pro Glu Leu Pro Gly Leu Gly Leu Arg
39 35 40 45
40 Ala Pro Leu Lys Lys Thr Thr Ala Glu Gln Ala Glu Glu Asp Leu Leu
41 50 55 60
42 Gln Glu Ala Gln Ala Leu Ala Glu Val Leu Asp Leu Gln Asp Arg Glu
43 65 70 75 80
44 Pro Arg Ser Ser Arg Arg Cys Val Arg Leu His Glu Ser Cys Leu Gly
45 85 90 95
46 Gln Gln Val Pro Cys Cys Asp Pro Cys Ala Thr Cys Tyr Cys Arg Phe
47 100 105 110
48 Phe Asn Ala Phe Cys Tyr Cys Arg Lys Leu Gly Thr Ala Met Asn Pro
49 115 120 125
50 Cys Ser Arg Thr
51 130
61 <210> SEQ ID NO: 2
62 <211> LENGTH: 46

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/851,586A

DATE: 07/10/2002
TIME: 14:49:38

Input Set : A:\PTO.VSK.txt
Output Set: N:\CRF3\07102002\I851586A.raw

63 <212> TYPE: PRT
64 <213> ORGANISM: Homo sapiens
66 <400> SEQUENCE: 2
68 Cys Val Arg Leu His Glu Ser Cys Leu Gly Gln Gln Val Pro Cys Cys
69 1 5 10 15
71 Asp Pro Cys Ala Thr Cys Tyr Cys Arg Phe Phe Asn Ala Phe Cys Tyr
72 20 25 30
74 Cys Arg Lys Leu Gly Thr Ala Met Asn Pro Cys Ser Arg Thr
75 35 40 45
77 <210> SEQ ID NO: 3
78 <211> LENGTH: 33
79 <212> TYPE: PRT
80 <213> ORGANISM: Homo sapiens
82 <400> SEQUENCE: 3
84 Cys Val Arg Leu His Glu Ser Cys Leu Gly Gln Gln Val Pro Cys Cys
85 1 5 10 15
87 Asp Pro Ala Ala Thr Cys Tyr Cys Arg Phe Phe Asn Ala Phe Cys Tyr
88 20 25 30
90 Cys
93 <210> SEQ ID NO: 4
94 <211> LENGTH: 34
95 <212> TYPE: PRT
C--> 96 <213> ORGANISM: Artificial
98 <220> FEATURE:
99 <223> OTHER INFORMATION: synthetic mini-AGRP
101 <400> SEQUENCE: 4
103 Cys Val Arg Leu His Glu Ser Cys Leu Gly Gln Gln Val Pro Cys Cys
104 1 5 10 15
106 Asp Pro Ala Ala Thr Cys Tyr Cys Arg Phe Phe Asn Ala Phe Cys Tyr
107 20 25 30
109 Cys Arg
112 <210> SEQ ID NO: 5
113 <211> LENGTH: 34
114 <212> TYPE: PRT
C--> 115 <213> ORGANISM: Artificial
117 <220> FEATURE:
118 <223> OTHER INFORMATION: synthetic AGRP fragment
120 <220> FEATURE:
121 <221> NAME/KEY: MOD_RES
122 <222> LOCATION: (1)..(1)
123 <223> OTHER INFORMATION: C blocked with acetyl
126 <220> FEATURE:
127 <221> NAME/KEY: MOD_RES
128 <222> LOCATION: (34)..(34)
129 <223> OTHER INFORMATION: R blocked with amino
132 <400> SEQUENCE: 5
134 Cys Val Arg Leu His Glu Ser Cys Leu Gly Gln Gln Val Pro Cys Cys
135 1 5 10 15
137 Asp Pro Ala Ala Thr Cys Tyr Cys Arg Phe Phe Asn Ala Phe Cys Tyr

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/851,586A

DATE: 07/10/2002
TIME: 14:49:38

Input Set : A:\PTO.VSK.txt
Output Set: N:\CRF3\07102002\I851586A.raw

138 20 25 30

140 Cys Arg

143 <210> SEQ ID NO: 6

144 <211> LENGTH: 6

145 <212> TYPE: PRT

C--> 146 <213> ORGANISM: artificial

148 <220> FEATURE:

149 <223> OTHER INFORMATION: AGRP fragment

151 <400> SEQUENCE: 6

153 Val Arg Leu His Glu Ser

154 1 5

156 <210> SEQ ID NO: 7

157 <211> LENGTH: 6

158 <212> TYPE: PRT

C--> 159 <213> ORGANISM: Artificial

161 <220> FEATURE:

162 <223> OTHER INFORMATION: AGRP fragment

164 <400> SEQUENCE: 7

166 Leu Gly Gln Gln Val Pro

167 1 5

169 <210> SEQ ID NO: 8

170 <211> LENGTH: 3

171 <212> TYPE: PRT

C--> 172 <213> ORGANISM: Artificial

174 <220> FEATURE:

175 <223> OTHER INFORMATION: AGRP fragment

177 <400> SEQUENCE: 8

179 Arg Phe Phe

180 1

182 <210> SEQ ID NO: 9

183 <211> LENGTH: 34

184 <212> TYPE: PRT

C--> 185 <213> ORGANISM: Artificial

187 <220> FEATURE:

188 <223> OTHER INFORMATION: AGRP fragment

190 <220> FEATURE:

191 <221> NAME/KEY: misc_feature

192 <223> OTHER INFORMATION: Xaa is any amino acid

195 <220> FEATURE:

196 <221> NAME/KEY: misc_feature

197 <222> LOCATION: (34)..(34)

198 <223> OTHER INFORMATION: R is optional

201 <400> SEQUENCE: 9

W--> 203 Cys Xaa Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa Xaa Cys Cys

204 1 5 10 15

W--> 206 Asp Pro Xaa Ala Thr Cys Tyr Cys Xaa Xaa Xaa Asn Ala Phe Cys Tyr

207 20 25 30

209 Cys Arg

212 <210> SEQ ID NO: 10

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/851,586A

DATE: 07/10/2002
TIME: 14:49:38

Input Set : A:\PTO.VSK.txt
Output Set: N:\CRF3\07102002\I851586A.raw

213 <211> LENGTH: 6
214 <212> TYPE: PRT
C--> 215 <213> ORGANISM: Artificial
217 <220> FEATURE:
218 <223> OTHER INFORMATION: AGRP fragment
220 <220> FEATURE:
221 <221> NAME/KEY: misc_feature
222 <223> OTHER INFORMATION: Xaa is any amino acid
225 <400> SEQUENCE: 10
W--> 227 Xaa Xaa Xaa Xaa Xaa Xaa
228 1 5
230 <210> SEQ ID NO: 11
231 <211> LENGTH: 6
232 <212> TYPE: PRT
C--> 233 <213> ORGANISM: Artificial
235 <220> FEATURE:
236 <223> OTHER INFORMATION: AGRP fragment
238 <220> FEATURE:
239 <221> NAME/KEY: misc_feature
240 <223> OTHER INFORMATION: Xaa is any amino acid
243 <400> SEQUENCE: 11
W--> 245 Val Xaa Xaa Xaa Xaa Xaa
246 1 5
248 <210> SEQ ID NO: 12
249 <211> LENGTH: 6
250 <212> TYPE: PRT
C--> 251 <213> ORGANISM: Artificial
253 <220> FEATURE:
254 <223> OTHER INFORMATION: AGRP fragment
256 <220> FEATURE:
257 <221> NAME/KEY: misc_feature
258 <223> OTHER INFORMATION: Xaa is any amino acid
261 <400> SEQUENCE: 12
W--> 263 Xaa Arg Xaa Xaa Xaa Xaa
264 1 5
266 <210> SEQ ID NO: 13
267 <211> LENGTH: 6
268 <212> TYPE: PRT
C--> 269 <213> ORGANISM: Artificial
271 <220> FEATURE:
272 <223> OTHER INFORMATION: AGRP fragment
274 <220> FEATURE:
275 <221> NAME/KEY: misc_feature
276 <223> OTHER INFORMATION: Xaa is any amino acid
279 <400> SEQUENCE: 13
W--> 281 Xaa Xaa Leu Xaa Xaa Xaa
282 1 5
284 <210> SEQ ID NO: 14
285 <211> LENGTH: 6

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/851,586A

DATE: 07/10/2002
TIME: 14:49:38

Input Set : A:\PTO.VSK.txt
Output Set: N:\CRF3\07102002\I851586A.raw

286 <212> TYPE: PRT
C--> 287 <213> ORGANISM: Artificial
288 <220> FEATURE:
289 <223> OTHER INFORMATION: AGRP fragment
290 <220> FEATURE:
293 <221> NAME/KEY: misc_feature
294 <223> OTHER INFORMATION: Xaa is any amino acid
297 <400> SEQUENCE: 14
W--> 299 Xaa Xaa Xaa His Xaa Xaa
300 1 5
302 <210> SEQ ID NO: 15
303 <211> LENGTH: 6
304 <212> TYPE: PRT
C--> 305 <213> ORGANISM: Artificial
307 <220> FEATURE:
308 <223> OTHER INFORMATION: AGRP fragment
310 <220> FEATURE:
311 <221> NAME/KEY: misc_feature
312 <223> OTHER INFORMATION: Xaa is any amino acid
315 <400> SEQUENCE: 15
W--> 317 Xaa Xaa Xaa Xaa Xaa Ser
318 1 5
320 <210> SEQ ID NO: 16
321 <211> LENGTH: 6
322 <212> TYPE: PRT
C--> 323 <213> ORGANISM: Artificial
325 <220> FEATURE:
326 <223> OTHER INFORMATION: AGRP fragment
328 <220> FEATURE:
329 <221> NAME/KEY: misc_feature
330 <223> OTHER INFORMATION: Xaa is any amino acid
333 <400> SEQUENCE: 16
W--> 335 Val Arg Xaa Xaa Xaa Xaa
336 1 5
338 <210> SEQ ID NO: 17
339 <211> LENGTH: 6
340 <212> TYPE: PRT
C--> 341 <213> ORGANISM: Artificial
343 <220> FEATURE:
344 <223> OTHER INFORMATION: AGRP fragment
346 <220> FEATURE:
347 <221> NAME/KEY: misc_feature
348 <223> OTHER INFORMATION: Xaa is any amino acid
351 <400> SEQUENCE: 17
W--> 353 Val Xaa Leu Xaa Xaa Xaa
354 1 5
356 <210> SEQ ID NO: 18
357 <211> LENGTH: 6
358 <212> TYPE: PRT

RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/09/851,586A

DATE: 07/10/2002
TIME: 14:49:39

Input Set : A:\PTO.VSK.txt
Output Set: N:\CRF3\07102002\I851586A.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#: 9; Xaa Pos. 2,3,4,5,6,7,9,10,11,12,13,14,19,25,26,27
Seq#: 10; Xaa Pos. 1,2,3,4,5,6
Seq#: 11; Xaa Pos. 2,3,4,5,6
Seq#: 12; Xaa Pos. 1,3,4,5,6
Seq#: 13; Xaa Pos. 1,2,4,5,6
Seq#: 14; Xaa Pos. 1,2,3,5,6
Seq#: 15; Xaa Pos. 1,2,3,4,5
Seq#: 16; Xaa Pos. 3,4,5,6
Seq#: 17; Xaa Pos. 2,4,5,6
Seq#: 18; Xaa Pos. 2,3,5,6
Seq#: 19; Xaa Pos. 2,3,4,6
Seq#: 20; Xaa Pos. 2,3,4,5
Seq#: 21; Xaa Pos. 1,4,5,6
Seq#: 22; Xaa Pos. 1,3,5,6
Seq#: 23; Xaa Pos. 1,3,4,6
Seq#: 24; Xaa Pos. 1,3,4,5
Seq#: 25; Xaa Pos. 1,2,5,6
Seq#: 26; Xaa Pos. 1,2,4,5,6
Seq#: 27; Xaa Pos. 1,2,4,6
Seq#: 28; Xaa Pos. 1,2,4,5
Seq#: 29; Xaa Pos. 1,2,3,6
Seq#: 30; Xaa Pos. 1,2,3,5
Seq#: 31; Xaa Pos. 1,2,3,4
Seq#: 32; Xaa Pos. 4,5,6
Seq#: 33; Xaa Pos. 2,5,6
Seq#: 35; Xaa Pos. 1,2,3,4,5,6
Seq#: 37; Xaa Pos. 2,3,4,5,6
Seq#: 38; Xaa Pos. 1,3,4,5,6
Seq#: 39; Xaa Pos. 1,2,4,5,6
Seq#: 40; Xaa Pos. 1,2,3,5,6
Seq#: 41; Xaa Pos. 1,2,3,4,6
Seq#: 42; Xaa Pos. 1,2,3,4,5
Seq#: 43; Xaa Pos. 3,4,5,6
Seq#: 44; Xaa Pos. 2,4,5,6
Seq#: 45; Xaa Pos. 2,3,5,6
Seq#: 46; Xaa Pos. 2,3,4,6
Seq#: 47; Xaa Pos. 2,3,4,5
Seq#: 48; Xaa Pos. 4,5,6
Seq#: 49; Xaa Pos. 2,3
Seq#: 50; Xaa Pos. 1,3
Seq#: 51; Xaa Pos. 3
Seq#: 52; Xaa Pos. 2
Seq#: 53; Xaa Pos. 1

RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/09/851,586A

DATE: 07/10/2002
TIME: 14:49:39

Input Set : A:\PTO.VSK.txt
Output Set: N:\CRF3\07102002\I851586A.raw

Invalid Line Length:

The rules require that a line not exceed 72 characters in length. This includes spaces.

Seq#:1; Line(s) 9

Invalid <213> Response:

Use of "Artificial" only as "<213> Organism" response is incomplete,
per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

Seq#:4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29

Seq#:30,31,32,33,34,35,36,37,38,39,40,41,42,43,44,45,46,47,48,49,50,51,52,53

Seq#:54

VARIABLE LOCATION SUMMARY
PATENT APPLICATION: US/09/851,586A

DATE: 07/10/2002
TIME: 14:49:39

Input Set : A:\PTO.VSK.txt
Output Set: N:\CRF3\07102002\I851586A.raw

Use of n's or Xaa's(NEW RULES):

Use of n's and/or Xaa's have been detected in the Sequence Listing.

Use of <220> to <223> is MANDATORY if n's or Xaa's are present.

in <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.

Seq#:9; Xaa Pos. 2,3,4,5,6,7,9,10,11,12,13,14,19,25,26,27
Seq#:10; Xaa Pos. 1,2,3,4,5,6
Seq#:11; Xaa Pos. 2,3,4,5,6
Seq#:12; Xaa Pos. 1,3,4,5,6
Seq#:13; Xaa Pos. 1,2,4,5,6
Seq#:14; Xaa Pos. 1,2,3,5,6
Seq#:15; Xaa Pos. 1,2,3,4,5
Seq#:16; Xaa Pos. 3,4,5,6
Seq#:17; Xaa Pos. 2,4,5,6
Seq#:18; Xaa Pos. 2,3,5,6
Seq#:19; Xaa Pos. 2,3,4,6
Seq#:20; Xaa Pos. 2,3,4,5
Seq#:21; Xaa Pos. 1,4,5,6
Seq#:22; Xaa Pos. 1,3,5,6
Seq#:23; Xaa Pos. 1,3,4,6
Seq#:24; Xaa Pos. 1,3,4,5
Seq#:25; Xaa Pos. 1,2,5,6
Seq#:26; Xaa Pos. 1,2,4,5,6
Seq#:27; Xaa Pos. 1,2,4,6
Seq#:28; Xaa Pos. 1,2,4,5
Seq#:29; Xaa Pos. 1,2,3,6
Seq#:30; Xaa Pos. 1,2,3,5
Seq#:31; Xaa Pos. 1,2,3,4
Seq#:32; Xaa Pos. 4,5,6
Seq#:33; Xaa Pos. 2,5,6
Seq#:35; Xaa Pos. 1,2,3,4,5,6
Seq#:37; Xaa Pos. 2,3,4,5,6
Seq#:38; Xaa Pos. 1,3,4,5,6
Seq#:39; Xaa Pos. 1,2,4,5,6
Seq#:40; Xaa Pos. 1,2,3,5,6
Seq#:41; Xaa Pos. 1,2,3,4,6
Seq#:42; Xaa Pos. 1,2,3,4,5
Seq#:43; Xaa Pos. 3,4,5,6
Seq#:44; Xaa Pos. 2,4,5,6
Seq#:45; Xaa Pos. 2,3,5,6
Seq#:46; Xaa Pos. 2,3,4,6
Seq#:47; Xaa Pos. 2,3,4,5
Seq#:48; Xaa Pos. 4,5,6
Seq#:49; Xaa Pos. 2,3
Seq#:50; Xaa Pos. 1,3
Seq#:51; Xaa Pos. 3
Seq#:52; Xaa Pos. 2
Seq#:53; Xaa Pos. 1

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/851,586A

DATE: 07/10/2002

TIME: 14:49:39

Input Set : A:\PTO.VSK.txt

Output Set: N:\CRF3\07102002\I851586A.raw

L:14 M:270 C: Current Application Number differs, Replaced Current Application No
L:14 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:96 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:4
L:115 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:5
L:146 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:6
L:159 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:7
L:172 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:8
L:185 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:9
L:203 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9 after pos.:0
L:206 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9 after pos.:16
L:215 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:10
L:227 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:10
L:227 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10 after pos.:0
L:233 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:11
L:245 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:11
L:245 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11 after pos.:0
L:251 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:12
L:263 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:12
L:263 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12 after pos.:0
L:269 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:13
L:281 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:13
L:281 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13 after pos.:0
L:287 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:14
L:299 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:14
L:299 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14 after pos.:0
L:305 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:15
L:317 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:15
L:317 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15 after pos.:0
L:323 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:16
L:335 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:16
L:335 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16 after pos.:0
L:341 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:17
L:353 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:17
L:353 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:17 after pos.:0
L:359 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:18
L:371 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:18
L:371 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:18 after pos.:0
L:377 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:19
L:389 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:19
L:389 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:19 after pos.:0
L:395 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:20
L:407 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:20
L:407 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:20 after pos.:0
L:413 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:21
L:425 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:21
L:425 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:21 after pos.:0
L:431 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:22
L:443 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:22

VERIFICATION SUMMARY
PATENT APPLICATION: US/09/851,586A

DATE: 07/10/2002
TIME: 14:49:39

Input Set : A:\PTO.VSK.txt
Output Set: N:\CRF3\07102002\I851586A.raw

L:443 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:22 after pos.:0
L:449 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:23
L:461 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:23
L:461 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:23 after pos.:0
L:467 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:24
L:479 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:24
L:479 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:24 after pos.:0
L:485 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:25
L:497 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:25
L:497 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:25 after pos.:0
L:503 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:26
L:515 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:26
L:515 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:26 after pos.:0
L:521 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:27
L:533 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:27
L:533 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:27 after pos.:0
L:539 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:28
L:551 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:28
L:551 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:28 after pos.:0
L:557 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:29
L:569 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:29
L:569 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:29 after pos.:0
L:575 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:30
L:587 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:30
L:587 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:30 after pos.:0
L:593 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:31
L:605 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:31
L:605 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:31 after pos.:0
L:611 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:32
L:623 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:32
L:623 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:32 after pos.:0
L:629 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:33
L:641 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:33
L:641 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:33 after pos.:0
L:647 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:34
L:665 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:35
L:677 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:35
L:677 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:35 after pos.:0
L:683 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:36
L:701 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:37
L:713 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:37
L:713 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:37 after pos.:0
L:719 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:38
L:731 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:38
L:731 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:38 after pos.:0
L:737 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:39
L:749 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:39
L:749 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:39 after pos.:0
L:755 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:40

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/851,586A

DATE: 07/10/2002

TIME: 14:49:39

Input Set : A:\PTO.VSK.txt

Output Set: N:\CRF3\07102002\I851586A.raw

L:767 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:40
L:767 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:40 after pos.:0
L:773 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:41
L:785 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:41
L:785 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:41 after pos.:0
L:791 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:42
L:803 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:42
L:803 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:42 after pos.:0
L:809 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:43
L:821 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:43
L:821 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:43 after pos.:0
L:827 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:44
L:839 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:44
L:839 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:44 after pos.:0
L:845 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:45
L:857 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:45
L:857 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:45 after pos.:0
L:863 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:46
L:875 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:46
L:875 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:46 after pos.:0
L:881 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:47
L:893 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:47
L:893 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:47 after pos.:0
L:899 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:48
L:911 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:48
L:911 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:48 after pos.:0
L:917 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:49
L:929 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:49
L:929 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:49 after pos.:0
L:935 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:50
L:947 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:50
L:947 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:50 after pos.:0
L:953 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:51
L:965 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:51
L:965 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:51 after pos.:0
L:971 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:52
L:983 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:52
L:983 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:52 after pos.:0
L:989 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:53
L:1001 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:53
L:1001 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:53 after pos.:0